

**UNITED STATES DEPARTMENT OF COMMERCE****Patent and Trademark Office**Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
08/840,892	04/17/97	KIM	B P34514

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LM61/0622

 EXAMINER

BLACKMAN, A

ART UNIT	PAPER NUMBER
2774	9

DATE MAILED: 06/22/99

**Please find below and/or attached an Office communication concerning this application or proceeding.**

**Commissioner of Patents and Trademarks**

<b>Office Action Summary</b>	Application No. <b>08/840,892</b>	Applicant(s) <b>Byoung-Han Kim</b>
	Examiner <b>Anthony Blackman</b>	Group Art Unit <b>2774</b>

Responsive to communication(s) filed on Apr 17, 1997.

This action is **FINAL**.

Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire three month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

#### Disposition of Claims

Claim(s) 1-10 is/are pending in the application.

Of the above, claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

Claim(s) 1-4 and 6-9 is/are allowed.

Claim(s) 5 and 10 is/are rejected.

Claim(s) \_\_\_\_\_ is/are objected to.

Claims \_\_\_\_\_ are subject to restriction or election requirement.

#### Application Papers

See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

The drawing(s) filed on Apr 17, 1997 is/are objected to by the Examiner.

The proposed drawing correction, filed on \_\_\_\_\_ is  approved  disapproved.

The specification is objected to by the Examiner.

The oath or declaration is objected to by the Examiner.

#### Priority under 35 U.S.C. § 119

Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

All  Some\*  None of the CERTIFIED copies of the priority documents have been

received.

received in Application No. (Series Code/Serial Number) \_\_\_\_\_.

received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\*Certified copies not received: \_\_\_\_\_.

Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

#### Attachment(s)

Notice of References Cited, PTO-892

Information Disclosure Statement(s), PTO-1449, Paper No(s). \_\_\_\_\_

Interview Summary, PTO-413

Notice of Draftsperson's Patent Drawing Review, PTO-948

Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

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**DETAILED ACTION**

*Oath/Declaration*

1. It appears that at least one full given name of applicant Byoung-Han Kim is not present either in the signature or elsewhere in the papers. This application will not be passed to issue until the omitted name has been supplied or unless a statement has been supplied over the applicant's signature setting forth that the name as signed is the actual full name of applicant Byoung-Han Kim. See MPEP § 605.04.

*Drawings*

2. Applicant is required to submit a proposed drawing correction in reply to this Office action. However, formal correction of the noted defect can be deferred until the application is allowed by the examiner. Please refer to PTO FORM 948.

*Claim Rejections - 35 USC § 112*

3. Claims 5 and 10 are rejected under 35 USC 112 second paragraph because the preamble language is not clearly translated into the recited claim limitations. As per claim 5, serial to parallel format is mentioned in the preamble, but it's meaning was left unclear in the recited claim limitations. For example, how do the first and second resolution signals relate to the serial and

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parallel format means of the preamble? As per claim 10, applicant fails to clearly relate analog to digital video signal conversion with first and second data signals.

***Claim Rejections - 35 USC § 102***

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371© of this title before the invention thereof by the applicant for patent.

7. Claim 5 is rejected under 35 U.S.C. 102(e) as being anticipated by Koh(U.S. Patent No. 5,534,883).

8. Consider claim 5. Koh discloses a video signal converting apparatus with S/P Converter Circuit in prior art, (Figure 1(59), column 1; lines 54-56), and S/P circuit (Figure 2(10), column 5; lines 39-48), means for detecting a first resolution signal(Figure 11(36) illustrates the selector of the memory controller(2a), column 9; lines 39-64, column 10; lines 34-50), means for comparing first resolution signal by the frame buffer memory(column 9; lines 58-67, and column 10; lines 1-17), means for converting first resolution signal (Figure 1(59), column 1; lines 54-56), and S/P circuit (Figure 2(10), column 5; lines 39-48).

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***Response to Arguments***

9. Applicant's arguments with respect to signature has been considered, however, the objection still stands. Drawings: Objection still stands. Please refer to Draftpersons objection on FORM PTO-948. Objections to claims 2-4, and 9 regarding informalities are withdrawn. Examiner acknowledges applicant's noting of misspelling, where Eiffel et al (U.S. Patent No. 4,654,484) should be Reiffel et al(U.S. Patent No. 4,654,484). Examiner acknowledges typing error of "column 68; lines 66-68", which should read "column 11; lines 66-68."

***Allowable Subject Matter***

10. Claims 1-4, and 6-10 are allowed. Claim 1 is allowed due to "a pulse number...second data signal"(page 31; lines 9-12), "a pixel number...third data signal"(page 31; lines 18-19), "a pixel number...fourth data signal"(page 31; line 20, and page 32; line 1). Claims 2-5 are allowed because they are dependent claims upon claim 1. Claim 6 is allowable due to "means for comparing the pixel number(page 34; line 7), and "means for sampling... pixel number"(page 34; lines 8-9). Claim 7 is allowable because it is dependent upon claim 6, and also due to "sampling ...means"(page 34; lines 1-6). Claim 8 is allowable because it is dependent upon claim 6, and also because "the pulse number...signal"(page 34; lines 3-4), "and a horizontal...detection means"(page 34, lines 4-6). Claim 9 is allowable because it is dependent upon claim 6. Claim 10 I dependent because "the pixel number per one...data signal(page 35; lines 6-8), "and the pixel number...second data signal"(page 35; lines 7-8).

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*Conclusion*

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Nishikawa(U.S. Patent No. 5,592,194) disclose serial/parallel conversion circuit, however, does not disclose means for detecting a first resolution signal using horizontal and vertical synchronization signals. Gilley et al(U.S. Patent No. 5,745,666) disclose resolution dependent rendering, where an intermediate description of the model is first produced.

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anthony Blackman whose telephone number is (703) 305-0833. The examiner can normally be reached on Monday through Thursday from 8 a.m. to 4 p.m. EST. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Hjerpe, can be reached on (703) 305-4709.

**Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks

Washington, D.C. 20231

**or faxed to:**

(703) 308-6606, (for formal communications intended for entry)

**Or:**

(703) 305-9731 (for informal or draft communications, please label  
"PROPOSED" or "DRAFT")

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Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

*AB*  
Anthony J. Blackman

June 4, 1999

*RH*  
RICHARD A. HJERPE  
SUPERVISORY PATENT EXAMINER  
GROUP 2700